

January 08, 2010

# Jed Heyes

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# IQA Implementation Status – 2009 DOE QA Concerns

- DOE 2009 QA assessment concerns identified by OQBP as C1-C10 and SC1
  - 4 new CAPs OQ-01/04/2010-01 thru 04
    - C1 & C2 terms used in CAPA Procedure - OQ-01/04/2010-01
    - C3 WSS set maintenance roles - OQ-01/04/2010-03
    - C6 documentation of acceptance testing varies – OQ-01/04/2010-04
    - C7 & C8 identify assessment criteria, define terms –OQ-01/04/2010-02
  - 7 existing As-Is CAPs
    - C4 & C5 Inconsistent design & Chief Engineer – OQ-05/22/2009-01
    - SC1 (signif. concern) Fermilab Engineering Manual – OQ-05/22/2009-02
    - C9 & C10 S/CI roles & S/CI disposition – OQ-05/30/2009-06
    - 2006 DOE QA assessment 4 existing CAPs (JST, Records, Documents, Calibration)

# IQA Implementation Status – As-Is CAP Status

**CAP Summary by Category as of 01/03/10**

**Table 1 - Pivot Table**

Count of Category	
Category	Total
* Assessments	4
* Documents	34
Inspection / Test	1
Item Control	1
* M&TE	8
* PII	1
* Qualification & Training	13
* Records	13
S/CI	1
Work Processes	3
Design	1
* Requirements Flowdown	1
Quality Improvement	1
* Program	10
** Grand Total	92

**Table 2 - Sort on Frequency**

Count of Category		
Category	Total	% of Total
* Documents	34	36.96%
* Qualification & Training	13	14.13%
* Records	13	14.13%
* Program	10	10.87%
* M&TE	8	8.70%
* Assessments	4	4.35%
Work Processes	3	3.26%
Inspection / Test	1	1.09%
Item Control	1	1.09%
* PII	1	1.09%
S/CI	1	1.09%
Design	1	1.09%
* Requirements Flowdown	1	1.09%
Quality Improvement	1	1.09%
** Grand Total	92	100.00%

\* 23 of 102 elevated to OQBP / Assurance Council

\*\* Excludes 10 Cancelled CAPs (duplicate, combined, elevations etc) Includes 5 DOE 2006 QA

\*\* 80 CAPs formally accepted by Process Owners others in progress (excludes cancelled)

29 Implemented, 28 Verified

- Science / Project QA
  - Project QAE working with TD QA Manager and OPMO
    - Presentation on QA to project teams
    - Raising the bar on project QA Plan & template
  - Science program document published
  - Draft As-Is charge to AD for Research
  - As-Is (Baseline) Planning in Process; Conduct 22 Jan – 18 Feb
  - Science review committee to be named by AD for Research
    - Review reported gaps, recommend & assign CAPs

# IQA Implementation Status – Assessment Program

- OQBP Assessment Program
  - One assessment completed FY2009
  - First FY2010 - FESS time & materials, completed
  - Second FY2010 in progress, - Linac power amp tubes, 18-Jan-10 finish

FY2010	Process	START DATE	FINISH DATE
FY2010-S01	Time & Materials – FESS, D/S/Cs	08-OCT-09	19-NOV-09
FY2010-S02	<u>Linac</u> Power Amp. Tube Mgmt. - AD	23-NOV-09	11-JAN-10
FY2010-S03	Wired Telecom - BSS	15-FEB-10	29-MAR-10
FY2010-S04	WAN - CD	12-APR-10	24MAY-10
FY2010-S05	Requirements Management - PPD	07-JUN-10	20-JUL-10
FY2010-S06	Work Process Controls - TD	02-AUG-10	14-SEP-10
FY2010-L-001	TBD	07-JUN-10	27-AUG-10

- Consolidated Assessment Program
  - Goal is to identify all site assessments and place in a single plan/schedule
  - On schedule to meet PEMP deliverable by end of 3Q FY2010

- QAEs continue being integrated into the work force & D/S/C meetings
- Office of Communication attends QAR meetings, provides advice
- Next set of articles for Fermilab Today are being developed
- Employee QA awareness training completed, draft memo for ITNAs
- AC activities discussed with QARs
- Senior Management being addressed
  - Jeff Cotton to attend senior staff meetings to disseminate information about status, issues, and upcoming activities
  - Consolidated Assessment Schedule
  - Start with discussion of schedule and planned activities

# IQA Implementation Status – **Progress Against Schedule**

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- IQA implementation progress against schedule by 31 Dec 2009
  - General Employee Training – completed await COO ITNA memo
  - Automated Graded Approach Tool submitted to CD for production
  - Assessment Manual & Procedures completed
  - S/CI Procedure updates to S/CI Coordinators, meeting this month
- FICAP Implementation progress against schedule by 31 Dec 2009
  - Project Metrics defined
  - Lessons Learned Program document completed and in lab-wide review



- IQA implementation upcoming schedule
  - As-Is for Scientific Research on target - 22 Jan 2010 to 18 Feb 2010
  - Root Cause training & procedure on target for - 16 Feb 2010
    - Training ASQ nationally recognized expert turnkey
    - Procedure draft received from ASQ expert, in review
  - Complete Consolidated Assessment & CAPA Program on target for – 18 May 2010

- FSO OQBP Joint Activities
  - Meeting to discuss CAP response to 2009 DOE QA assessment
    - Monday 01/11/10 after 11:00am or
    - Tuesday 01/12/10 after 1:00pm or
    - Wednesday 01/13/10 before 12:00noon
  - Next Quarterly DOE QA brief by 04/08/10
  - Next DOE QA Assessment discussion (scheduling, criteria etc)

# Questions ?